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Partial Listing

US006021398A

United States Patent [19]

Ausubel

[11] Patent Number: 6,021,398

[45] Date of Patent: Feb. 1, 2000

[54] **COMPUTER IMPLEMENTED METHODS AND APPARATUS FOR AUCTIONS**

[76] Inventor: **Lawrence M. Ausubel**, 2920 Garfield Ter., NW., Washington, D.C. 20008

[21] Appl. No.: **09/303,636**

[22] Filed: **May 3, 1999**

Related U.S. Application Data

[63] Continuation of application No. 08/775,880, Jan. 2, 1997, Pat. No. 5,905,975, which is a continuation-in-part of application No. 08/582,901, Jan. 4, 1996

[60] Provisional application No. 60/009,679, Jan. 4, 1996, and provisional application No. 60/030,043, Nov. 5, 1996.

[51] **Int. Cl.**[7] **G06F 17/60**

[52] **U.S. Cl.** **705/37**; 705/26; 707/104

[58] **Field of Search** 705/1, 26, 27, 705/37, 44, 40, 5, 6, 7, 8, 10, 30, 35, 36; 283/56; 340/825.26, 825.27, 825.28, 825.29; 902/22, 24; 379/91, 92, 93; 707/1, 3, 4, 5, 10, 104

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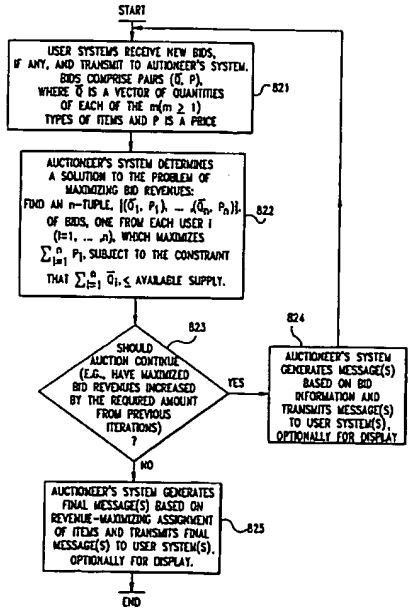
[57] **ABSTRACT**

A computer implemented system and method of executing an auction. The system has at least two intelligent systems, one for the auctioneer and at least one for a user. The auction is conducted by the auctioneer's system communicating with the user system(s). The auctioneer's system receives information from the user system(s) based on bid information entered by the user(s). With this information the auctioneer's system determines whether the auction can be concluded or not and appropriate messages are transmitted to the user(s).

32 Claims, 17 Drawing Sheets



US-PAT-NO: 6021398

DOCUMENT-IDENTIFIER: US 6021398 A

TITLE: Computer implemented methods and apparatus for **auctions**

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Abstract Text - ABTX (1):

A computer implemented system and method of executing an **auction**. The system has at least two intelligent systems, one for the auctioneer and at least one for a user. The **auction** is conducted by the auctioneer's system communicating with the user system(s). The auctioneer's system receives information from the user system(s) based on bid information entered by the user(s). With this information the auctioneer's system determines whether the **auction** can be concluded or not and appropriate messages are transmitted to the
user(s).

TITLE - TI (1):

Computer implemented methods and apparatus for **auctions**

Claims Text - CLTX (1):

1. A dynamic computer implemented auction system for multiple dissimilar objects operating in **multiple rounds** comprising:

Claims Text - CLTX (8):

c2) means for receiving bid information from user systems in **multiple rounds** of bidding;

Claims Text - CLTX (20):

9. A dynamic computer implemented auction system for auctions for plural objects operating in **multiple rounds** at changing prices, said auction system comprising:

Claims Text - CLTX (38):

16. A method for conducting a dynamic computer implemented auction for multiple dissimilar objects operating in **multiple rounds** comprising:

Claims Text - CLTX (51):

25. A method for conducting a dynamic computer implemented auction for plural objects operating in **multiple rounds** at changing prices comprising: